HyTemp™ ACM

HyTemp™ AR74

Temporary Product Specification
Date Issued: 03/26/04
Supersedes: 02/14/02

Description: HyTemp AR74 acrylic elastomer contains one or more acrylic esters with a small percentage of a chlorine reactive cure site. Vulcanizates have excellent oil, heat and compression resistance.

Packaging: The standard unit is a 1,600 lbs. (725.76 kg.) cell box containing thirty-two 50 lb. (22.68 kg.) bales.

Specification	Min.	Max.	Target	Zeon Test Procedure No. (1)
Polymer Properties				
Heat Loss (%)	0.0	0.7	0.2	1339
Ash (%)	0.0	0.5	0.25	873 (ASTM D-1416)
Mooney Viscosity ML (1+4) @ 100°C	29	36	33	404 (ASTM D-1646)
Glass Transition Temperature (°C)	-33.8	-39.8	-36.8	1273
Gel (%)	0	15	3	1251
Test Recipe Properties				1229
ODR(2)				1148
M_L (lbf·in)	4.6	10.4	7.5	
M_H (lbf·in)	21.8	37.6	29.7	
t_S1 (min)	0.6	1.0	0.8	
$t'90$ (min)	4.9	9.1	7.0	

Special Notes:
Refer to the appropriate MSDS for proper safety, handling, and storage instructions.
(1) Zeon Test Recipe and Test Procedures are available upon request
(2) ASTM Designation: D2084
(3) Shelf Life – retest critical parameters 2 years after date of manufacture.

Reason for Issue: 1) Revise specification to define limits for all tested properties based on statistical quality data 2) Include column for target values for all testing parameters

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